System and Method for Processor Dedicated Code
Handling in a Multi-Processor Environment

ABSTRACT

A system and method is provided to perform code
5   handling, such as interpreting language instructions or
performing "just-in-time" compilation using a heterogeneous
processing environment that shares a common memory.   In a
heterogeneous processing environment that includes a
plurality of processors, one of the processors is
10 programmed to perform a dedicated code-handling task, such
as perform just-in-time compilation or interpretation of
interpreted language instructions, such as Java. The other
processors request code handling processing that is
performed by the dedicated processor. Speed is achieved
15 using a shared memory map so that the dedicated processor
can quickly retrieve data provided by one of the other
processors.